COURTESY COPY OF THE

INTERNATIONAL

PRELIMINARY EXAMINATION

REPORT

IN JAPANESE



Translation



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 664102	FOR FURTHER ACT	rion '	See Form PCT/IPEA/416		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/JP2003/013043	10 October 2003	(10.10.2003)	11 October 2002 (11.10.2002)		
International Patent Classification (IPC) or national classification and IPC C12N 9/02, 15/53, C12Q 1/68, 1/26, C07K 16/40, G01N 33/15, 33/50, 33/53, 33/566, 33/569					
Applicant	Applicant OSAKA BIOSCIENCE INSTITUTE				
This report is the international preli Authority under Article 35 and tran	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 				
2. This REPORT consists of a total of	5 sheets, i	including this cover	sheet.		
3. This report is also accompanied by					
a. (sent to the applicant and	d to the International Bure	eau) a total of	sheets, as follows:		
and/or sheets cor	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
sheets which sup beyond the discl Supplemental Bo	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the				
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) 1 , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4. This report contains indications rel	ating to the following iten	ns:			
Box No. I Basis of the	report				
Box No. II Priority					
Box No. III Non-establis	hment of opinion with reg	gard to novelty, inve	ntive step and industrial applicability		
	y of invention				
Box No. V Reasoned stations and	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain docu	iments cited				
Box No. VII Certain defe	cts in the international app	plication			
Box No. VIII Certain obse	ervations on the internation	nal application			
Date of submission of the demand		Date of completion	of this report		
05 February 2004 (05.	02.2004)	2	0 May 2004 (20.05.2004)		
Name and mailing address of the IPEA/JP)	Authorized officer			
Facsimile No		Telephone No.			



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

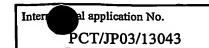
Inte. Onal application No.
PCT/JP2003/013043

Box N	o. I	Basis of the report				
	 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. 					
		nis report is based on translations from the original language into the following language, hich is language of a translation furnished for the purpose of:				
		international search (under Rules 12.3 and 23.1(b))				
		publication of the international application (under Rule 12.4)				
		international preliminary examination (under Rules 55.2 and/or 55.3)				
fur	2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
	รื	e international application as originally filed/furnished				
╽. ┕-		e description: ges , as originally filed/furnished				
		ges, as originally filed/furnished, as originally filed/furnished, as originally filed/furnished				
	-	ges* received by this Authority on				
		e claims:				
		ges , as originally filed/furnished				
	_	ges*, as amended (together with any statement) under Article 19				
	•	ges* received by this Authority on				
		ges* received by this Authority on				
-] _{th}	e drawings:				
▎┕	_	ges , as originally filed/furnished				
	-	eges* received by this Authority on				
	_	received by this Authority on				
	7 a	sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.				
	-Y'					
ا 3. آ	וז ר	he amendments have resulted in the cancellation of:				
	 	the description, pages				
1	L	the claims, Nos.				
1	Ļ					
	L	the drawings, sheets/figs				
	Ļ	the sequence listing (specify):				
	L	any table(s) related to sequence listing (specify):				
4. [m	his report has been established as if (some of) the amendments annexed to this report and listed below had not been lade, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box Rule 70.2(c)). the description, pages the claims, Nos.				
	ŗ	the drawings, sheets/figs				
	L L	the sequence listing (specify):				
1	L L	any table(s) related to sequence listing (specify):				
	L	any table(s) related to sequence risting (specify).				
* If item 4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELITY... ARY REPORT ON PATENTABILITY

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
	the entire international application.			
\boxtimes	claims Nos. 8-10	<u>, </u>		
because				
\boxtimes	the said international application, or relate to the following subject matter	the said claims Nos. 8-10 which does not require an international preliminary examination (specify):		
The inve	ntions of claims 8-10 includ	le a method for diagnosis of the human body.		
	the description, claims or drawings are so unclear that no meaningful or	(indicate particular elements below) or said claims Nos pinion could be formed (specify):		
	the claims, or said claims Nos by the description that no meaningf	are so inadequately supported		
		een established for said claims Nos		
	the nucleotide and/or amino acid se Administrative Instructions in that:	quence listing does not comply with the standard provided for in Annex C of the		
	the written form	has not been furnished		
		does not comply with the standard		
	the computer readable form	has not been furnished		
		does not comply with the standard		
	the tables related to the nucleotide a	and/or amino acid sequence listing, if in computer readable form only, do not comply with for in Annex C-bis of the Administrative Instructions.		
	see Supplemental Box for further d	etails.		





	under Article 35(2) with regartions supporting such statem	ard to novelty, inventive step or industri nent	ial applicability;
1. Statement			
Novelty (N)	Claims	1-7	YES
	Claims		NO
Inventive step (IS)	Claims	1-7	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-7	YES
·	Claims		МО

2. Citations and explanations (Rule 70.7)

Document 1: J. Exp. Med., 2000, Vol. 192, No.9, pages 1327-37

Document 2: Science, 2001, Vol. 294, pages 2317-2323

•Claims 1-7

Documents 1 and 2 cited in the international search report do not describe the inventions of claims 1-7, and therefore these inventions have novelty and involve an inventive step.

Documents 1 and 2 do not describe a flavin protein that includes the amino acid sequence identified as SEQ ID No: 2 and that has enzymatic activity to reduce prostaglandin H2 from *Trypanosoma cruzi* to prostaglandin H2a, and persons skilled in the art cannot easily conceive of this matter.

INTERNATIONAL PRELITINARY REPORT ON PATENTABILITY

Inter al application No. PCT/JP03/13043

C		are autol Pay Polating to Sequence Listing	
Supplemental Box Relating to Sequence Listing			
Continuation of Box No. 1, item 2:			
1.	With inve	th regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the rention, this report was established on the basis that of:	claimed
	8.	type of material	
		a sequence listing	l
		table(s) related to the sequence listing	
	b.	format of material	
		in written format	ľ
		in computer readable form	
	· c.	time of filing/furnishing	
l		contained in the international application as filed	
l		filed together with the international application in computer readable form	
l		furnished subsequently to this Authority for the purpose of search and/or examination	
		received by this Authority as an amendment* on	1
2.	\boxtimes		been filed in the
3.	Ad	dditional comments:	
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	* <u> </u> "S"	firem 4 in Box No. I applies, the listing and /or table(s) related thereto, which form part of the basis of the report, n Superseded".	ay be marked
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